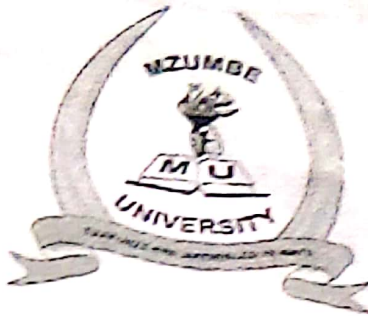


MZUMBE UNIVERSITY



FACULTY OF SCIENCE AND TECHNOLOGY(FST)

COMPUTER NETWORKS: CS 123- TEST 1

TIME: 45 MINUTES

Answer ALL Questions:

1. (a) Define Computer networks
(b) Outline five (5) characteristics of data communication systems
- (c) What are the components of data communication systems?
2. Explain what might happen if two stations are accidentally assigned the same address?
3. With the aid of diagram explain Simplex, half duplex, and full duplex
4. (a) Distinguish between SCMA/CD and SCMA/CA
(b) Suggest the possible topology that uses these access method
(c) Under which layer of the OSI model do SCMA/CD and SCMA/CA operates?
5. Give the meaning of the following items
 - (a) 10Base-T
 - (b) Mbps
 - (c) NOS
 - (d) POP3